

**Figure 1A**

10 30 50  
 GCGGGCTGCAGTCGCGGGCTTCTCCCCGCTGGCGGCCGCGCTGGCAGGTGCT  
 70 90 110  
 GAGCGCCCTAGAGCCTCCCTGCCGCTCCCTCTGCCCGGCCGAGCAGTCACAT  
 130 150 170  
 GGGGTGTTGGAGGTAGATGGCTCCGGCCGGAGGCAGGCGGTGGATGCGGCCTGGC  
 190 210 230  
 AGAAGCAGCCGCCATTCCAGCTGCCCCGCGCAGCCCCTGGCGCCCTGCGAGTC  
 250 270 290  
 TCAGCCATGGGACCTCTCGAGCAGCACGCCCTGCCCTGCGAGCCGATGCC  
 M G T S P S S S T A L A S C S R I A  
 310 330 350  
 CGCCGAGCCACAGCCACGATGATCGCGGCTCCCTCTCCGCTTGGATTCTTAGCACC  
 R R A T A T M I A G S L L L L G F L S T  
 370 390 410  
 ACCACAGCTCAGCCAGAACAGAACAGGCTCGAACATCTCATTGGCACATACGCCATGTTGAC  
 T T A Q P E Q K A S N L I G T Y R H V D  
 430 450 470  
 CGTGCCACCGGCCAGGTGCTAACCTGTGACAAGTGTCCAGCAGGAACCTATGTC  
 R A T G Q V L T C D K C P A G T Y V S E  
 490 510 530  
 CATTGTACCAACACAAGCCTGCGCTCTGCAGCAGTGCCTGTGGGACCTTACCA  
 H C T N T S L R V C S S C P V G T F T R  
 550 570 590  
 CATGAGAAATGGCATAGAGAAATGCCATGACTGTAGTCAGGCATGCCATGGCA  
 H E N G I E K C H D C S Q P C P W P M I  
 610 630 650  
 GAGAAATTACCTGTGCTGCCCTGACTGACCGAGAACATGCACTGCCACCTGGC  
 E K L P C A A L T D R E C T C P P G M F  
 670 690 710  
 CAGTCTAACGCTACCTGTGCCCTACGGTGTGTCCTGTGGGTTGGGTGTGCG  
 Q S N A T C A P H T V C P V G W G V R K  
 730 750 770  
 AAAGGGACAGAGACTGAGGATGTGGGTGTAAGCAGTGTGCTGGGTACCTCTCAGAT  
 K G T E T E D V R C K Q C A R G T F S D  
 790 810 830  
 GTGCCTCTAGTGTGATGAAATGCAAAGCATACACAGACTGTCTGAGTCAGAAC  
 V P S S V M K C K A Y T D C L S Q N L V  
 850 870 890  
 GTGATCAAGCCGGGGACCAAGGAGACAGAACAGTCTGTGGCACACTCC  
 V I K P G T K E T D N V C G T L P S F S  
 910 930 950  
 AGCTCCACCTCACCTCCCTGGCACAGCCATCTTCCACGCCCTGAGCACATGG  
 S S T S P S P G T A I F P R P E H M E T  
 970 990 1010  
 CATGAAGTCCCTCCTCCACTTATGTTCCAAAGGCATGAACCA  
 H E V P S S T Y V P K G M N S T E S N S

**Figure 1B**

|  |      |      |
|--|------|------|
| 1030   | 1050 | 1070 |
| TCTGCCCTCTGTTAGACCAAAGGTACTGAGTAGCATCCAGGAAGGGACAGTCCCTGACAAC  |      |      |
| S A S V R P K V L S S I Q E G T V P D N                        |      |      |
| . 1090   | 1110 | 1130 |
| ACAAGCTCAGCAAGGGGGAAAGGAAGACGTGAACAAGACCCTCCCAAACCTTCAGGTAGTC  |      |      |
| T S S A R G K E D V N K T L P N L Q V V                        |      |      |
| 1150   | 1170 | 1190 |
| AACCACCGCAAGGCCCCCACCAAGACACATCCTGAAGCTGCTGCCGTCATGGAGGCC      |      |      |
| N H Q Q G P H H R H I L K L L P S M E A                        |      |      |
| 1210   | 1230 | 1250 |
| ACTGGGGGCGAGAAGTCCAGCACGCCATCAAGGGCCCCAAGAGGGGACATCCTAGACAG    |      |      |
| T G G E K S S T P I K G P K R G H P R Q                        |      |      |
| 1270   | 1290 | 1310 |
| AACCTACACAAGCATTGACATCAATGAGCATTGCCCTGGATGATTGTGCTTTCTG        |      |      |
| N L H K H F D I N E H L P W M I V L F L                        |      |      |
| 1330   | 1350 | 1370 |
| CTGCTGGTCTTGGTGATTGGTGTGCAGTATCCGAAAAGCTCGAGGACTCTGAAA         |      |      |
| L L V L V V I V V C S I R K S S R T L K                        |      |      |
| 1390   | 1410 | 1430 |
| AAGGGGCCCGGCAGGATCCAGTGCCATTGGAAAAGGCAGGGCTGAAGAAATCCATG       |      |      |
| K G P R Q D P S A I V E K A G L K K S M                        |      |      |
| 1450   | 1470 | 1490 |
| ACTCCAACCCAGAACCGGGAGAAATGGATCTACTACTGCAATGCCATGGTATCGATATC    |      |      |
| T P T Q N R E K W I Y Y C N G H G I D I                        |      |      |
| 1510   | 1530 | 1550 |
| CTGAAGCTTGTAGCAGCCCAAGTGGGAAGCCAGTGGAAAAGATATCTATCAGTTCTTGC    |      |      |
| L K L V A A Q V G S Q W K D I Y Q F L C                        |      |      |
| 1570   | 1590 | 1610 |
| AATGCCAGTGAGAGGGAGGTTGCTGCTTCTCCAATGGTACACAGCCGACCACGAGCGG     |      |      |
| N A S E R E V A A F S N G Y T A D H E R                        |      |      |
| 1630   | 1650 | 1670 |
| GCCTACCGCAGCTCTGCAGCACTGGACCATCCGGGGCCCCGAGGCCAGCCTGCCAGCTA    |      |      |
| A Y A A L Q H W T I R G P E A S L A Q L                        |      |      |
| 1690   | 1710 | 1730 |
| ATTAGGCCCTGCCAGCACCGGAGAAACGATGTTGTGGAGAAGATTCTGGCTGATG        |      |      |
| I S A L R Q H R R N D V V E K I R G L M                        |      |      |
| 1750   | 1770 | 1790 |
| GAAGACACCAACCCAGCTGGAAACTGACAAACTAGCTCTCCCGATGAGCCCCAGCCCGCTT  |      |      |
| E D T T Q L E T D K L A L P M S P S P L                        |      |      |
| 1810   | 1830 | 1850 |
| AGCCCCGAGCCCCATCCCCAGCCCCAACCGCAAACCTTGAGAATTCCGCTCTCCTGACGGTG |      |      |
| S P S P I P S P N A K L E N S A L L T V                        |      |      |
| 1870   | 1890 | 1910 |
| GAGCCTCCCCACAGGACAAGAACAAAGGGCTTCTCGTGGATGAGTCGGAGCCCCCTCTC    |      |      |
| E P S P Q D K N K G F F V D E S E P L L                        |      |      |
| 1930   | 1950 | 1970 |
| CGCTGTGACTCTACATCCAGCGGCCCTCCCGCGCTGAGCAGGAACGGTCTTATTACC      |      |      |
| R C D S T S S G S S A L S R N G S F I T                        |      |      |

**Figure 1C**

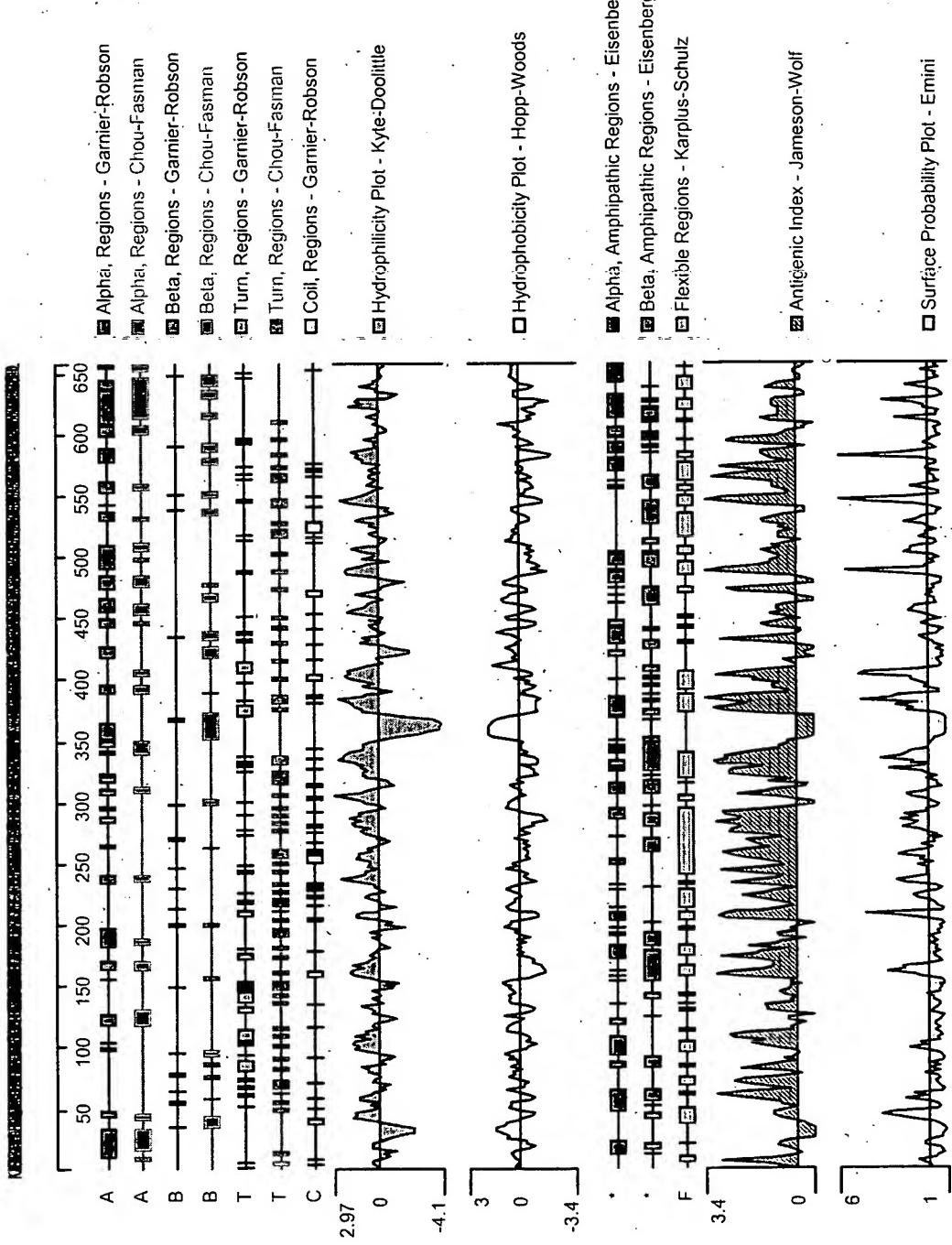
1990                    2010                    2030  
AAAGAAAAGAAGGACACAGTGTGCGGGCAGGTACGCCCTGGACCCCTGTGACTTGAGCCT  
K E K K D T V L R Q V R L D P C D L Q P  
2050                    2070                    2090  
ATCTTGATGACATGCTCCACTTTCTAAATCCTGAGGAGCTGGGGTGATTGAAGAGATT  
I F D D M L H F L N P E E L R V I E E I  
2110                    2130                    2150  
CCCCAGGCTGAGGACAAACTAGACCGGCTATTGAAATTATTGGAGTCAGAGCCAGGAA  
P Q A E D K L D R L F E I I G V K S Q E  
2170                    2190                    2210  
GCCAGGCCAGACCCTCCTGGACTCTGTTATAGCCATCTCCTGACCTGCTGTAGAACATA  
A S Q T L L D S V Y S H L P D L L \*  
2230                    2250                    2270  
GGGATACTGCATTCTGAAATTACTCAATTAGTGGCAGGGTGGTTTTAAATTTCTTC  
2290                    2310                    2330  
TGTTCCTGATTTGTTGGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT  
2350                    2370                    2390  
GTGTGTGTGTGTGTGTGTGTAAACAGAGAATATGCCAGTGCTGAGTTCTTC  
2410                    2430                    2450  
TTCTCTCTCTTTTTAAATAACTCTCTGGGAAGTTGGTTATAAGCCTTGCC  
2470                    2490                    2510  
AGGTGTAACGTGTGAAATACCCACCACTAAAGTTTTAAGTCCATATTCTCCAT  
2530                    2550                    2570  
TTGCCTCTTATGTATTCGAGATTATTCTGTGCACTTAAATTACTTAACCTTACCA  
2590                    2610                    2630  
TAAATGCAGTGTGACTTTCCCACACACTGGATTGTGAGGCTCTTAACCTCTAAAAGTA  
2650                    2670                    2690  
TAATGGCATTTGTGAATCCTATAAGCAGTCCTTATGTCCTAACATTCACACCTACTT  
2710                    2730                    2750  
TTTAAAAACAAATATTACTATTATTATTGTTGTCTTTATAAAATTCTTAA  
2770                    2790                    2810  
GATTAAGAAAATTAAAGACCCATTGAGTTACTGTAATGCAATTCAACTTGTGAGTTATCT  
2830                    2850                    2870  
TTTAAATATGCTTGTATAGTCATATTGCTGAAACTTGACCCACACTATTGCTGAT  
2890                    2910                    2930  
TGTATGGTTTCACCTGGACACCGTGTAGAATGCTGATTACTGTACTCTTCTATGCT  
2950                    2970                    2990  
AATATGCTCTGGCTGGAGAAATGAAATCCTCAAGCCATCAGGATTGCTATTAAAGTGG  
3010                    3030                    3050  
CTTGACAACGGGCCACAAAGAACATTGAAACTTCACCTTTAGGAGTTGAGCTGTTCTGG  
3070                    3090                    3110  
AACACATTGCTGCACTTGGAAAGTCAAAATCAAGTGCCAGTGGGCCCTTCCATAGAG  
3130                    3150                    3170  
AATTGCCCAGCTTGCTTTAAAGATGTCTGTTTATACACATAATCAATAGGT  
3190                    3210                    3230  
CCAATCTGCTCTCAAGGCCTGGCCTGGTGGGATTCCCTCACCAATTACTTAATTAAA  
3250                    3270                    3290  
AATGGCTGCAACTGTAAGAACCTTGTCTGATATATTGCAACTATGCTCCCATTACAA

**Figure 1D**

3310                    3330                    3350  
ATGTACCTTCTAATGCTCAGTTGCCAGGTTCCAATGCAAAGGTGGCGTGGACTCCCTTG  
3370                    3390                    3410  
TGTGGGTGGGTTTGTGGTAGTGGTGAAGGACCGATATCAGAAAAATGCCTCAAGTGT  
3430                    3450                    3470  
ACTAATTATTAATAAACATTAGGTGTTGTTAAAAAAAAAAAAAA

Figure 2

**Figure 3**



**Figure 4A**

1 MGTSPSSSTALASCSRARRATATMIAAGSLLLIGELSTTAQPEQKASNLLIGTYR 70  
PAGTYVSEHCTNTSLRVCSSCPVGTFTRHENGIEKCHDCSQPCPWPMMIEKLPCAALTDIRECTCPPGMFQS 140

NATCAPHTVCVGWGVKKGTETEDVRCKQCARGTFSDVPSVMKCKAYTDCLSQLNVVIRPGTKETDNV 210

CGTLPSFSSSTSPSPGTAIFPRPEHMETHEVPSSTYVPKGMMNSTESNASSAVRPKVLSIQEGLTPDNTS 280

SARGKEDVNKTLPNLQVVNHQQGPHHRHILKLLPSMEATGGEKSSTPIKGPKRGPQRQLHKHFDINEHL 350

PWMIVLFLLVLVIVVCSIRKSSRTLKGPRQDPSAIVEKAGLKKSMPTQNREKWIYYCNGHGDILK 420

LVAAQVGSG**QWKDIYQFLCNASEREVAAFSNGYTADHERAYAALQHWTIRGPEASLAQLISALRQHRRNDV** 490

**VEKIRGLMEDTTQLETDKLALPMSPSPSPLSPSPNAKLENSALLTVEPSPQDKNKGFVFDESEPLLRC** 560

DSTSSGSSALSRNNGSFITKEKKDTVLQRVRLDPCDLQPIFFDDMLHFLNPEELRVIEEIPQAEDKLDRLLFE 630

IIGVKSQEASQTLDSVYSHLPDLL 655

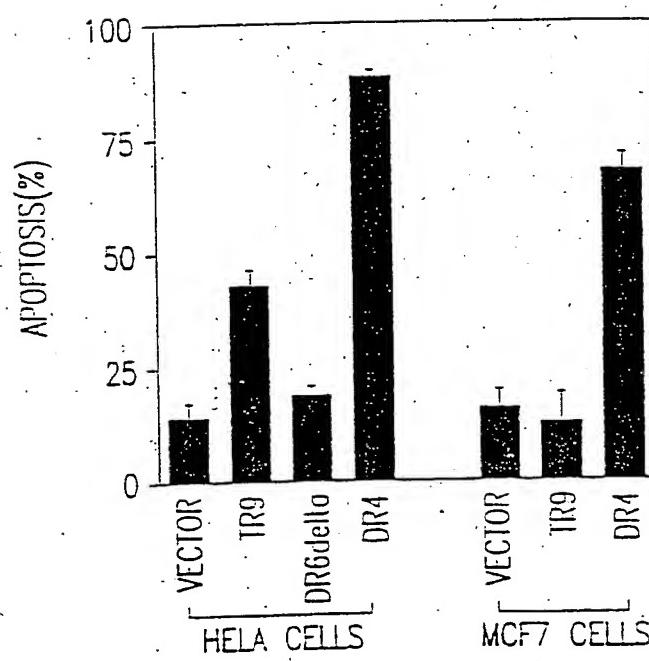
Figure 4B

T C D K C P A G T Y V S E H C T N T S L R V C S S C P V G T F T R H E N G I E K TR9  
L C D K C P P G T Y L K Q H C T A K W K T V C A P C P D H Y Y T D S W H T S D E OPG  
  
C H D C S Q P C P W P M T E K T P C A A I T D R E C T C P P G M F Q S N A T C A TR9  
C C Y C S P V C K E L Q Y V K Q E C N R T H N R V C E C K E G R Y L E T E F C L QPG  
  
P H T V C P V G W G V R K K G T E T E D V R C K Q C A R G T F S D V P S S V M K TR9  
K H R S C P P G F G V V Q A G T P E R N T V C K R C P D G F F S N E T S S K A P OPG  
  
C K A Y T D C E S Q N L V V I K P G T K E T D N V C G TR9  
C R K H T N G S V F G L L T Q K G N A T H D N I C S OPG

Figure 4C

|   |   |   |
|---|---|---|
| Q W K D I Y Q F C N A S E R E V A A F S N G Y T A D - H E TR9       | Q V K G F V R K N - G V N E A K I D E I K N D N V Q D T A E CD95    | Q V K G F V R R L - G L S D H E I D R L E L Q N G R C L R E TNFR1   |
| R W K E E V R T L - G L R E A E I E A V E V E I G R - F R D DR3     | R W K E E V R M R Q L - D L T K N E I D V V R A G T A G P - G D DR4 | R W K E E V R M R Q L - D L T K N E I D V V R A G T A G H - R D DR5 |
| S W D Q L M R P L M R K L - G L M D N E I K V A K A E A A G H - R D |   |   |
| R A X A A Q H W T I R - G P E A S L A Q L I S A L R Q H R TR9       | R A X A A Q H W T I R - G P E A S L A Q L I S A L R Q H R TR9       | R A X A A Q H W T I R - G P E A S L A Q L I S A L R Q H R TR9       |
| Q K V Q L E R N W H Q L H G K K E A Y D T I K D L K K A N CD95      | Q K V Q L E R N W H Q L H G K K E A Y D T I K D L K K A N CD95      | Q K V Q L E R N W H Q L H G K K E A Y D T I K D L K K A N CD95      |
| R A Q Y S M L A T W R R T R R E A T E L L G R V L R D M D TNFR1     | R A Q Y S M L A T W R R T R R E A T E L L G R V L R D M D TNFR1     | R A Q Y S M L A T W R R T R R E A T E L L G R V L R D M D TNFR1     |
| Q Q Y E M L K R W R Q - Q Q P A G L G A V Y A A L E R M G DR3       | Q Q Y E M L K R W R Q - Q Q P A G L G A V Y A A L E R M G DR3       | Q Q Y E M L K R W R Q - Q Q P A G L G A V Y A A L E R M G DR3       |
| R A L Y A M L M K W V N K T G R N A S I H T L L D A L E R M E DR4   | R A L Y A M L M K W V N K T G R N A S I H T L L D A L E R M E DR4   | R A L Y A M L M K W V N K T G R N A S I H T L L D A L E R M E DR4   |
| T R N D V V E E K T R   | TR9   | TR9   |
| R L C T L A E K T Q   | CD95  | CD95  |
| E L G C L E D T K   | TNFR1   | TNFR1   |
| D G C V E D L R   | DR3   | DR3   |
| E R H A K E K T Q   | DR4   | DR4   |
| E R L A K Q K T E   | DR5   | DR5   |

**Figure 5**



**Figure 6**

